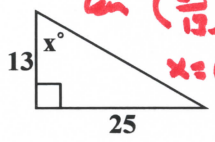
$\sin(x) = \frac{Opposite}{Hypotenuse}$	$\cos(x) = \frac{Adjacent}{Hypotenuse}$	$\tan(x) = \frac{Opposite}{Adjacent}$
FIND A SIDE	FIND A SIDE	FIND A SIDE
C: 5.9 K: 19.7 T: 6.6 U: 83.1	H: 12.6 N: 15.9 R: 13.2 S: 10.5	B: 8.9 I: 22.4 M: 3.9 Q: 5.8
FIND AN ANGLE	FIND AN ANGLE	FIND AN ANGLE
D: 36.2° F: 48.6° O: 28.8°	G: 48.2° L: 58.6° P: 36.9°	A: 62.5° E: 24.9° J: 73.5°

A Bunch of Right Triangles…

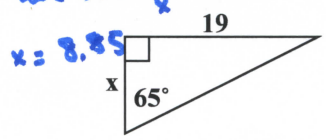
A



$\tan^{-1}\left(\frac{25}{13}\right)=x$

$x=62.52$

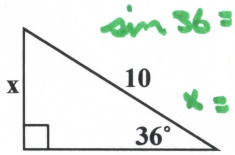
B



$\tan 65=\frac{19}{x}$

$x=8.85$

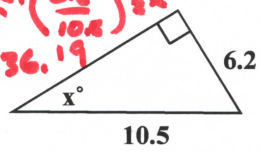
C



$\sin 36=\frac{x}{10}$

$x=5.87$

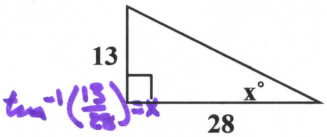
D



$\sin^{-1}\left(\frac{6.2}{10.5}\right)=x$

$x=36.19$

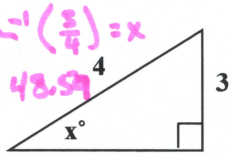
E



$\tan^{-1}\left(\frac{13}{28}\right)=x$

$x=24.90$

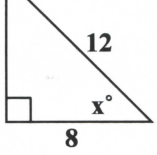
F



$\sin^{-1}\left(\frac{3}{4}\right)=x$

$x=48.59$

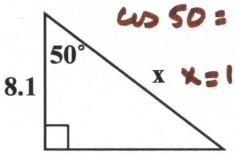
G



$\cos^{-1}\left(\frac{8}{12}\right)=x$

$x=48.18$

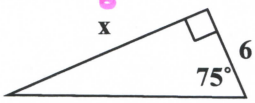
H



$\cos 50=\frac{8.1}{x}$

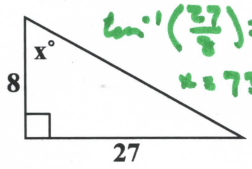
$x=12.60$

I



$\tan 75=\frac{x}{6}$ $x=22.39$

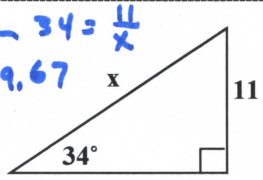
J



$\tan^{-1}\left(\frac{27}{8}\right)=x$

$x=73.49$

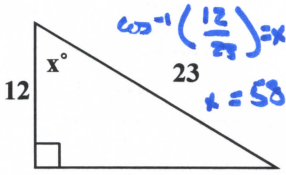
K



$\sin 34=\frac{11}{x}$

$x=19.67$

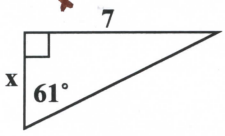
L



$\cos^{-1}\left(\frac{12}{23}\right)=x$

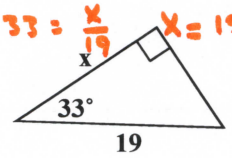
$x=58.55$

M



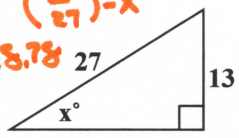
$\tan 61=\frac{7}{x}$ $x=3.88$

N



$\cos 33=\frac{x}{19}$ $x=15.93$

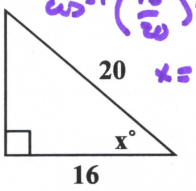
O



$\sin^{-1}\left(\frac{13}{27}\right)=x$

$x=28.78$

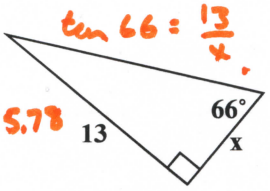
P



$\cos^{-1}\left(\frac{16}{20}\right)=x$

$x=36.86$

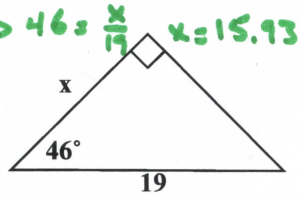
Q



$\tan 66=\frac{13}{x}$

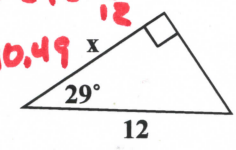
$x=5.78$

R



$\cos 46=\frac{x}{19}$ $x=15.93$

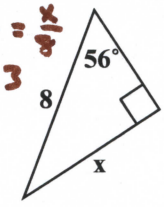
S



$\cos 29=\frac{x}{12}$

$x=10.49$

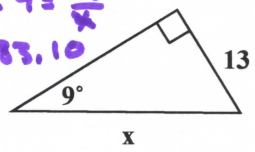
T



$\sin 56=\frac{x}{8}$

$x=6.63$

U



$\sin 9=\frac{13}{x}$

$x=83.10$